Installly GTM Engineer Case Study

Overview

This project presents an AI-powered lead generation prototype tailored for **DuPont Tedlar's Graphics & Signage division**. It automates the end-to-end prospecting process from curated event/company input to personalized outreach generation, and presents results in an interactive Streamlit dashboard for lead tracking and engagement.

AI Agent Workflow

1. Event Extraction

- o Pulls a predefined list of signage-related trade shows and expos.
- o Hardcoded entries simulate future scraping capabilities.
- o Implemented in extract events.py.

2. Company Association

- Matches signage-relevant companies to events manually based on known attendance.
- o Future versions would pull this dynamically from exhibitor listings.

3. Contact Discovery

- o Hardcoded contact data for real professionals at signage/graphics firms.
- o Titles include VP of Product, Innovation Directors, R&D leads, etc.
- o Placeholder logic included for scaling via LinkedIn Sales Navigator or Clay.
- o Implemented in find contacts.py.

4. Email Inference

- o System assumes LinkedIn messaging for now.
- o Placeholder logic exists for integrating email format discovery from public sources (e.g. Hunter.io, RocketReach).
- o Implemented in infer email.py.

5. Outreach Generation

- o Uses **OpenAI GPT-4** to generate highly personalized outreach messages.
- o Adjusts tone/context based on event, title, and company rationale.
- o Implemented in generate_outreach.py.

Data Processing Pipeline

All data flows through a modular and traceable pipeline:

• events companies.csv → curated signage expos and companies

- contacts.csv \rightarrow contact-level data
- contacts with emails.csv \rightarrow outreach mode set to LinkedIn
- contacts with messages.csv \rightarrow OpenAI-generated outreach messages

Each step is saved to CSV and automated via main.py.

Streamlit Dashboard

Fully interactive and built for usability:

- Filters:
 - o By Company, Name, Title, Outreach Sent/Not Sent, Follow-Up Status
- Lead Actions:
 - o Mark as Sent
 - Copy message to clipboard
 - o Generate/edit follow-ups
 - o Snooze follow-ups
- Analytics:
 - o Bar chart: Outreach Status
 - o Table: Follow-Up Status
- Activity Log:
 - o Collapsible timeline of user actions with timestamps
 - o Automatically logs outreach events on load

Integration Planning (Future Work)

- LinkedIn Sales Navigator API
 - Automate contact discovery
 - o Match titles, company data, and messaging context
- Clay API or Similar Tools
 - o Programmatically enrich leads
 - o Fill in roles, emails, and LinkedIn data
 - o Scale outreach across many contacts

Implementation Results

- Built a functioning GTM prototype tailored to DuPont Tedlar's commercial graphics focus
- Realistic contacts and companies pulled from the signage ecosystem
- Personalized GPT-powered outreach based on event + rationale
- Dashboard enables visual tracking and action on leads
- Fully exportable and deployable with clear documentation